

10/536824  
JC09 Rec'd PCT/PTO 27 MAY 2005 #3

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q88284

Kenji MIYAZAKI, et al.

Appln. No.: Not Assigned

Confirmation No.: Not Assigned

Group Art Unit: Not Assigned

Filed: May 27, 2005

Examiner: Not Assigned

For: METHOD OF ANALYZING C-TERMINAL AMINO ACID SEQUENCE OF PEPTIDE

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. Japanese Patent Application 2002-189029, published July 5, 2002; with English

Abstract.

2. Japanese Patent Application 10-293130, published November 4, 1998; with English

Abstract.

3. Japanese Patent Application 6-27113, published February 4, 1994; with English

Abstract.

National Stage Entry of PCT/JP03/15270  
INFORMATION DISCLOSURE STATEMENT  
New Application of K. Miyazaki et al.

4. Japanese Patent Application 2003-279581, published October 2, 2003; with English  
Abstract.

5. Japanese Patent Application 05-133958, published May 28, 1993; with English  
Abstract.

6. A. Tsugita et al. "Reaction of Pentafluoropropionic Anhydride Vapor on Polypeptide  
as Revealed by Mass Spectrometry. A carboxypeptidase Mimetic Degradation", Chemistry  
Letters, 1992, pp 235-238.

7. A. Tsugita et al. "C-terminal sequencing of protein", European J. Biochemistry, 1992.  
Vol. 206, pp. 691-696

8. K. Takamoto et al. "Carboxy-terminal degradation of peptides using perfluoroacyl  
anhydrides", European J. Biochemistry, 1995, Vol. 228, pp. 362-372.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three  
months from the application's filing date; (2) Before the mailing date of the first Office Action  
on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after  
filing a request for continued examination (RCE) under §1.114, and therefore, no Statement  
under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for  
foreign language documents, Applicant encloses herewith a copy of a Communication from a  
foreign patent office in a counterpart application citing such documents, together with an

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National Stage Entry of PCT/JP03/15270  
INFORMATION DISCLOSURE STATEMENT  
New Application of K. Miyazaki et al.

English-language version (if not already included) of at least that portion of the Communication indicating the degree of relevance found by the foreign patent office.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

~~Respectfully submitted,~~

  
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23373  
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Date: May 27, 2005

Substitute for Form 1449 A &amp; B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

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JCG9 Rec'd Date if Known 27 MAY 2005

Application Number	
Confirmation Number	
Filing Date	May 27, 2005
First Named Inventor	Kenji MIYAZAKI
Art Unit	
Examiner Name	
Attorney Docket Number	Q88284

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**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	2002-189029	A	07-05-2002	Sumitomo Chemical Co. Ltd.	English Abstract
		JP	10-293130	A	11-04-1998	Seiko Instruments, Inc.	English Abstract
		JP	6-27113	A	02-04-1994	Seiko Instruments, Inc.	English Abstract
		JP	2000-146983	A	05-26-2000	City of Hope	English Abstract
		JP	2003-279581	A	10-02-2003	NEC Corporation	English Abstract
		JP	05-133958	A	05-28-1993	Seiko Instruments, Inc.	English Abstract

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		A. Tsugita et al. "Reaction of Pentafluoropropionic Anhydride Vapor on Polypeptide as Revealed by Mass Spectrometry. A carboxypeptidase Mimetic Degradation", Chemistry Letters, 1992, pp 235-238.	
		A. Tsugita et al. "C-terminal sequencing of protein", European J. Biochemistry, 1992. Vol. 206, pp. 691-696	
		K. Takamoto et al. "Carboxy-terminal degradation of peptides using perfluoroacyl anhydrides", European J. Biochemistry, 1995, Vol. 228, pp. 362-372	

Examiner Signature	Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.